

What is claimed is:

Claim 1. A method for producing intron-less plant cDNA comprising

- (i) transforming *Agrobacterium* with a vector comprising a plant gene of interest operably linked to a promoter;
- (ii) infiltrating a leaf of a plant with the transformed *Agrobacterium* of (i) for a period of time to provide transient expression of the gene of interest;
- (iii) isolating total RNA from the infiltrated leaf;
- (iv) performing RT-PCR using the total RNA as template; and
- (v) isolating intron-less plant cDNA corresponding to the gene of interest from the products of RT-PCR.

Claim 2. The method of claim 1 wherein the plant cDNA is full-length.

Claim 3. The method of claim 1 wherein the leaf is a petunia leaf.

Claim 4. The method of claim 1 wherein the infiltration is carried out for about two to about six days.

Claim 5. The method of claim 1 wherein the *Agrobacterium* are transformed *via* electroporation.

Claim 6. The method of claim 1 wherein the *Agrobacterium* are transformed *via* agroinfiltration.

Claim 7. The method of claim 1 wherein the leaf is obtained from a dicotyledon.

Claim 8. The method of claim 1 wherein the leaf is obtained from a monocotyledon.

Claim 9. A method for producing a recombinant plant gene in a bacterial or yeast cell comprising

- (i) transforming *Agrobacterium* with a vector comprising a plant gene of interest operably linked to a promoter;
- (ii) infiltrating a leaf of a plant with the transformed *Agrobacterium* of (i) for a period of time to provide transient expression of the gene of interest;
- (iii) isolating total RNA from the infiltrated leaf;
- (iv) performing RT-PCR using the total RNA as template;
- (v) isolating intron-less plant cDNA corresponding to the gene of interest from the products of RT-PCR; and
- (vi) transforming bacteria or yeast cells with the intron-less plant cDNA and expressing the cDNA in the bacteria or yeast.

Claim 10. The method of claim 9 wherein the intron-less cDNA is full length cDNA.

Claim 11. The method of claim 9 wherein infiltration is carried out for a period of from about two days to about six days.

Claim 12. The method of claim 9 wherein the *Agrobacterium* is *Agrobacterium tumefaciens*.

Claim 13. The method of claim 9 wherein the promoter is a constitutive promoter.

Claim 14. The method of claim 9 wherein the promoter is a cassava vein mosaic virus promoter.

Claim 15. The method of claim 9 wherein the gene of interest comprises a plurality of introns.

Claim 16. The method of claim 9 further comprising isolating the expression product of the intron-less cDNA from the bacteria or yeast.

Claim 17. The method of claim 9 wherein the bacteria are *E. coli*.

Claim 18. The method of claim 9 wherein the leaf is obtained from a monocotyledon.

Claim 19. The method of claim 9 wherein the leaf is obtained from a dicotyledon.